

6. (amended) A high-frequency current suppressor as claimed in any one of claims 1 through 4, wherein said high-frequency current suppressor comprises composite magnetic material which comprises soft magnetic powder obtained by flattening alloy powder including at least Ni, Fe, and binding material.

7. (amended) A high-frequency current suppressor as claimed in any one of claims 1 through 4, wherein said high-frequency current suppressor comprises magnetic loss thin film which includes a first member comprising at least any one of Fe, Co, Ni, or mixture thereof and a second member comprising insulating material including at least more than one kinds of elements other than said Fe, Co, Ni.

8. (amended) An earphone system for use in a terminal of mobile communication, wherein said earphone system is provided with said high-frequency current suppressor as claimed in any one of claims 1 through 4.

9. (amended) An earphone system comprising a connection plug connected to an output terminal of an electronic equipment, an earphone, and a signal cable for connecting said connection plug with said earphone, wherein a high-frequency current suppressor comprising soft magnetic material is added at least partially to any one of said connection plug, said earphone, and said signal cable.

12. (amended) An earphone system as claimed in claims 9 or 10, wherein said high-frequency current suppressor is provided near a portion where said signal cable and said earphone are connected to each other.

13. (amended) An earphone system as claimed in claims 9 or 10, wherein said high-frequency current suppressor is included inside said earphone.

14. (amended) An earphone system as claimed in claims 9 or 10, wherein said earphone system further comprises a microphone.

16. (amended) An earphone system as claimed in claims 9 or 10, wherein a housing of said earphone or said microphone is formed by said high-frequency current suppressor.

17. (amended) An earphone system as claimed in claims 9 or 10, wherein said high-frequency current suppressor comprises composite magnetic material which comprises soft magnetic powder obtained by flattening alloy powder including at least Fe, Si, Al, and binding material.

18. (amended) An earphone system as claimed in claims 9 or 10, wherein said high-frequency current suppressor comprises composite magnetic material which comprises soft magnetic powder obtained by flattening alloy powder including at least Ni, Fe, and binding material.

19. **(amended)** An earphone system as claimed in claims 9 or 10, wherein said high-frequency current suppressor comprises magnetic loss thin film which comprises a first member including at least any one of Fe, Co, Ni, or mixture thereof and a second member including insulating material including at least more than one kinds of elements other than said Fe, Co, Ni.
